

Thermal Acoustic Insulation Burner Test Update and Instructional Video

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Over recent years, multiple interlab studies have been performed in order to update the thermal acoustic Sonic burner to the newer stator design that does not utilize internal igniters. The design update also included updating the fuel nozzle and air pressure settings. Testing performed at a later date showed the new configuration may not be equivalent to the original Sonic burner design and performance. The configuration of the burner was reworked and tested to ensure equivalence to previous burner test results. The Technical Center as well as other separate labs participated in an interlab study to ensure the new configuration was equivalent and reproducible among labs. The presentation includes the results of the study and an update on the thermal acoustic insulation Sonic burner instructional video.